

BATYGIN, K.

Let's develop independent activities of the masses. Okhr.truda
i sots.strakh. 4 no.12:30-31 D '61. (MIRA 14:11)

1. Zamestitel' zavedyushchego otdelom Vsesoyuznogo tsentral'nogo
soveta professional'nykh soyuzo' po gosudarstvennomu sotsial'nomu
strakhovaniyu.

(Insurance, Social)
(Trade unions)

BATYGIN, K.

Concern for the newborn. Sov. profsoiuzy 18 no.5:46-47 Mr
'62. (MIRA 15:3)

(Maternal and infant welfare)

BATYGIN, K.

Unemployment relief for machine operators. Sov. profsoiuzy
18 no.4:12 F '62. (MIRA 15:3)
(Insurance, Unemployment)

BATYGIN, Konstantin Stepanovich; LIRTSMAN, Mikhail Isaakovich;
TREFILOV, Ivan Mitrofanovich; DENISOVA, I.S., red.;
MARKOCH, K.Ye., tekhn. red.

[State insurance allowances; commentary on the legislation
in effect] Posobia po gosudarstvennomu strakhovaniu; kom-
mentarii k deistvuiushchemu zakonodatel'stvu. 2., dop. izd.
Moskva, Profizdat, 1962. 320 p. (MIRA 16:3)
(Insurance)

BATYGIN, K.

Calculating payments in cases of temporary disability under a piecework wage system. Okhr.truda i sots, strakh. 5 no.11:41-42 N '62.
(MIRA 15:12)

1. Zamestitel' zaveduyushchego otdelom Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov po gosudarstvennomu sotsial'nomu strakhovaniyu.

(Insurance, Social)

BATYGIN, K.

Cases in which social insurance disbursements are not accepted for the record. Okhr.truda i sots.strakh. 6 no.2:41-42 F '63.

(MIRA 16:2)

1. Zamestitel' zaveduyushchego otdelom Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov po gosudarstvennomu sotsial'nomu strakhovaniyu.

(Insurance, Social--Accounting)

BATYGIN, K.

Granting payments in cases of temporary disability. Okhr.
truda 1 sots. strakh. 6 no.11:41-42 N '63.

(MIRA 16:11)

RATYGIN, N.F.

FEDOROV, V.S.; RATYGIN, N.F.

Obtaining branch-headed forms. Uch.zap.Len.un. no. 165:112-124 '53.
(MLRA 7:7)

1. Laboratoriya genetiki rasteniy kafedry genetiki i selektsii
(zaveduyushchiy kafedroy professor N.V.Turbin)
(Grain) (Plant breeding)

BATYGIN, N.F.

Maternal inherited traits in remote hybridization. Vest. Len.
un. 9 no.4:41-43 Ap '54. (MIRA 8:6)
(Hybridization, Vegetable)

BATYGIN, N.F.

~~_____~~
Dominance of inherited traits of one of the parents in interspecific
crossing. Vest.Len.un. 10 no.1:39-41 Ja '55. (MIRA 8:4)
(Wheat) (Hybridisation, Vegetable)

COUNTRY : USSR
CATEGORY : Cultivated Plants. Cereals. M
ABS. JOUR. : RZhBiol., No. 1958 No. 104639
AUTHOR : Sidorov, F. F., Batygin, N. F.
INST. : -
TITLE : Some Biological Characteristics of the Development in Corn.
ORIG. PUB. : Kukuruz, 1958, No. 1, 38-40
ABSTRACT : Results of the studies (in Leningrad oblast') of the processes in the formation of inflorescences, leaves, and stems in different varieties. One part of the plants of each variety was raised with natural day illumination, the other - with a short, 10-hour day. With the shortened day of illumination, the number of leaves decreases and the height of the plants declines. Under the conditions of a normal day, the plants developed a larger number of leaves and a longer stem. During this, the differences among the

Card: 1/2

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VOYEVODIN, A.F.; ~~BATYGIN, N.F.~~

Morphogenetic stages of graminaceous plants as a criterion of the appropriate time for herbicide application. Bot. zhur. 46 no. 2:275-279 F '61. (MIRA 14:2)

1. Vsesoyuznyy institut zashchity rasteniy i Agrofizicheskiy institut AN SSSR, Leningrad.
(Weed control)

BATYGIN, N.F., kand. biol. nauk

Use of ionizing radiation in controlled induction of variations.
Agrobiologiya no.4:611-613 J1-Ag '64. (MIRA 17:12)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut, Leningrad.

BATYGIN, N.F.; MISYUK, L.A.

Interrelationship between the radiosensitivity of plants and
their physiological condition. Radiobiologia 5 no.5:738-
743 '65. (MIRA 18:11)

1. Agrofizicheskiy institut, Leningrad.

SKAFA, B.F., kand.tekhn.nauk; MAKHNO, D.Ye., inzh.; STUROV, I.A., inzh.;
GARGONOV, A.T., inzh.; BATYGIN, S.P., inzh.; BELAY, B.G., inzh.

Results of the testing of shield support units. Sbor.DonUGI
no.20:16-38 '61. (MIRA 15:6)
(Donets Basin--Mine timbering)

"Clover and timothy mixture."
Sev. agron 10, no. 8, 1952

V N BATYGIN and O A KOTYURGINA

"Investigation of the Compositions of Ceramics with the Purpose of Obtaining Vacuum-tight Ceramics with Low Losses in the Centimeter Band" from Annals of Works Completed in 1955 at the State Union Sci. Res. Inst. of Radio Engineering Ind.

So: B-3,080,964

BATYGIN, Vladimir Vladimirovich; TOPTYGIN, Igor' Nikolayevich;
PETRUN'KIN, A.M., red.; KAL', M.M., red.; LUK'YANOV, A.A.,
tekhn. red.

[Collected problems on electrodynamics] Sbornik zadach po
elektrodinamike. Pod red. M.M.Bredova. Moskva, Gos.izd-vo
fiziko-matem.lit-rg, 1962. 480 p. (MIRA 15:6)
(Electrodynamics)

L 32847-65 EWT(i)
ACCESSION NR: AP5004401

S/0056/65/048/001/0272/0274

AUTHOR: Batygin, V. V.

20
14
B

TITLE: On the possibility of hard Vavilov-Cerenkov radiation

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 1, 1965,
272-274

TOPIC TAGS: Cerenkov radiation, photon emission, induced emission, bremsstrahlung

ABSTRACT: It is shown that a hard photon with unity refractive index, accompanied by a soft photon with refractive index larger than unity, can be emitted in a two-quantum Vavilov-Cerenkov effect. Whereas spontaneous emission of hard quanta in the two-quantum Vavilov-Cerenkov effect has low intensity and is heavily masked by bremsstrahlung (although it can apparently be made observable through the use of coincidence techniques), it is possible to enhance the intensity of the hard Vavilov-Cerenkov radiation by passing soft radiation of sufficiently high energy density through the medium, in view of the fact that the probability of induced two-quantum emission is proportional to the number of soft photons per unit volume. The emission of hard photons can be both spontaneous and induced by soft photons.

* Cord 1/2

L 32947-5

ACCESSION NR: AP5004401

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Assuming the soft photons to be transverse, unpolarized, and all of equal momentum, the author derives a formula for the spectrum of the energy lost by the particle to Cerenkov emission of hard quanta and for the total intensity of the induced losses due to hard Cerenkov radiation. In light elements this can amount to approximately 10^{-4} of the bremsstrahlung losses in the soft part of the spectrum. It is pointed out that there may be an experimental possibility of separating the hard Cerenkov radiation from bremsstrahlung by taking advantage of the fact that the former is due to long-range interaction and the latter to short-range interaction. One possible way is to pass the particle through a tunnel in a medium, ~~the tunnel diameter being small compared with the wavelength of the soft photon (there will be no bremsstrahlung, and the Cerenkov radiation will change little).~~

"The author thanks I. N. Toptygin for discussions and assistance, and A. A. Romyantsev, O. V. Konstantinov, and V. I. Perel' for discussions, and Vit. V. Batygin for help with the calculations." Orig. art. has: 4 formulas. [02]

ASSOCIATION: Leningradskiy politekhnicheskij institut im. M. I. Kalinina
(Leningrad Polytechnic Institute)

SUBMITTED: 03Jun64

ENCL: 00

SUB CODE: N2, OP

NO REF SOV: 005

OTHER: 000

ATD PRESS: 3205

Card 2/2

L 15363-66 EWT(m) DIAAP

ACC NR: AP6000225

SOURCE CODE: UR/0056/65/049/005/1637/1649

AUTHOR: Batygin, V. V.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningrad-
skiy politekhnicheskij institut)

TITLE: Bremsstrahlung on electrons in a medium and hard Vavilov-
Cerenkov radiation

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49,
no. 5, 1965, 1637-1649

TOPIC TAGS: bremsstrahlung, Cerenkov radiation, photon emission,
Green function, particle interaction, electromagnetic field

ABSTRACT: This is a continuation of the author's earlier study of
two-quantum Cerenkov radiation (ZhETF v. 48, 272, 1965) and is devoted
to the additional bremsstrahlung photon produced when a charge par-
ticle interacts with a long-wave electromagnetic field in a medium
and with an aggregate of the external-shell electrons. The prob-
ability of emission of these photons is expressed in terms of a retarded

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L 15363-66

ACC NR: AP6000225

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Green's function of the longitudinal radiation in the medium, which takes account of the dielectric constant and magnetic permeability of the medium. General expressions are derived for the emission probability of a hard photon accompanied by an emission or absorption of a soft photon. It is shown that the mechanism of production of the hard photons has the same character as Cerenkov radiation, and can be separated in spite of its being much weaker than bremsstrahlung. The correction for electron-electron bremsstrahlung, taking account of the electron coupling in the medium, is calculated for a certain model description of the electronic plasma and found to amount to 50 per cent. It is shown that spatial dispersion of the dielectric constant of the medium determines whether the emission of the hard photons accompanied by soft quanta is due to the Cerenkov radiation or due to bremsstrahlung. In either case the effects can be described by a single theory. The plasma is assumed degenerate. Author thanks I. N. Toptygin for useful discussions and valuable advice, I. M. Shmushkevich for discussions, and Vit. V. Batygin for help with some calculations. Orig. art. has: 34 formulas.

SUB CODE: 20/ SUBM DATE: 19Jun65/ ORIG REF: 015/

Card

2/2 BC

BATYGINA, A. I.

"The Transparency of the Earth's Atmosphere for Slutsk (formerly Pavlovak),
According to the Observations made for a Period of 21 years, (1906-1926),"
Geofiz, sbor., vol VI, No 1, 1927.

L 60896-65 EWP(e)/EWT(m)/EPA(c)-2/EPF(c)/EWP(i)/EWG(v)/EPA(w)-2/EWP(j)/T/
EWP(+)/EWP(b) LIP(c) ID/MS/RI/SH

ACCESSION NR: AR5018411 UR/0081/65/000/011/L019/L019

34
B

SOURCE: Ref. zh. Khimiya, Abs. 11L143

AUTHOR: Brodovich, K. I.; Batygina, L. V.

TITLE: Obtaining a fibrous heat-insulating material on a base of potassium titanate

CITED SOURCE: Vestn. tekhn. i ekon. inform. N.-i. in-t tekhn.-ekon. issled. Gos. kon-ta khim. prom-sti pri Gosplane SSSR, vyp. 9, 1964, 13-15

TOPIC TAGS: titanate, titanium

TRANSLATION: The following mixtures were prepared: TiO_2 and KF, TiO_2 and KCl, TiO_2 and KOH, and $K_2O(TiO_2)_n$ and KCl. The reagents were carefully pulverized and passed through a 100 mesh sieve. The mixture was stirred and placed in a crucible. Fusing was performed in a TG-3 crucible furnace. Depending on the conditions of the experiment, the fusion was cooled slowly or quickly to a set temperature, after which it was removed from the furnace and treated. The fusion removed from the furnace was leached out, washed with distilled water, and dried to a constant weight in a thermostat at 110° . Four series of tests were held to study the effect of the following

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L 60396-65

ACCESSION NR: AR5018411

factors on the properties of the titanate: composition of the initial mixture, temperature and duration of the fusion of the various additives, and the duration of the cooling of the fusion. The properties and field of use of fibrous potassium titanate were examined. There was a bibliography of 8 titles. N. Sh.

SUB CODE: GC, MT

ENCL: 00

llb
Card 272

BATYGINA, N. I.

25258. BATYGINA, N. I. Vnebryushinnyy Dvustoronniy Dostup K Poyasnichnomu Otdeyu Pogranichnogo Stvola Simpaticheskogo Nerva. Voprosy Neyrokhirurgii, 1949 No. 4, S.19-21-Bibliogr: S. 21.

SO: Letopis' No. 33, 1949

BATYGINA, N. I.

ORLOV, G. A.;BATYGINA, N. I.

Symmetry of the lumbar portion of the sympathetic nervous system and significance of cross cut connections in unilateral sympathectomy. Vopr. neurokhir. 15 no. 3:55-59 May-June 1951. (CLML 21:3)

1. Of the Clinic of General Surgery (Head -- Prof. G. A. Orlov), Arkhangelsk Medical Institute.

BATYGINA, N.I.

ORLOV, G.A., professor; BATYGINA, N.I.

Significance of internal connections of the marginal sympathetic stem in lumbar sympathectomy. Vop. neurokhir. 18 no.5:3-10 S-O '54.
(MLRA 7:11)

1. Iz kliniki obshchey khirurgii Arkhangel'skogo meditsinskogo instituta.

(SYMPATHECTOMY,

lumbar, in endarteritis obliterans)

(ENDARTERITIS OBLITERANS, surgery,

sympathectomy, lumbar)

BATYGINA, N.I. (Arkhangel'sk)

Sources of gastric innervation following unavoidable section
of the vagus nerves in surgery. Eksp.khir. 4 no.3:38 My-Je
'59. (MIRA 12:8)

(STOMACH--INNERVATION)

HATYGINA, N.I.

Postoperative changes of the internal organs in congenital
diaphragmatic hernias. Khirurgia 35 no.9:93-97 '59.

(MIRA 13:12)

(DIAPHRAGMATIC---HERNIA)

APSIT, S.O., kand.med.nauk; BATYGINA, N.I., kand.med.nauk

Changes in the bone marrow of patients with endarteritis obliterans following lumbar sympathectomy. Sov. med, 25 no.9:118-121 S '61.

(MIRA 15:1)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.A.Orlov) i kafedry gosspital'noy terapii Arkhangel'skogo meditsinskogo instituta.

(ARTERIES DISEASES)

(NERVOUS SYSTEM, SYMPATHETIC SURGERY)

(MARROW)

BATYGINA, N.I.

Use of antibiotics in the treatment of specific monarthrits
of the fingers (chinga). Khirurgiia 40 no.2:29-32 F '64.
(MIRA 17:7)

1. Klinika obshchey khirurgii (zav. - prof. G.A. Orlov)
Arkhangel'skogo meditsinskogo instituta.

BATYGINA, T. B.

"Methods of Overcoming the Noncrossability of a Cultivated Species of Tomato, *L. esculentum* Mill. With the Wild Species, *L. peruvianum* Mill. and *L. hirsutum* H. B. et K. and the Behavior of the First and Second Generation Hybrids." Cand Biol Sci, All-Union Inst of Plant Growing, All-Union Order of Lenin Acad Agricultural Sci, imeni V. I. Lenin, Leningrad, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

BATYGINA T.B.

USSR/General Biology - Genetics

B-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, No 9565

Author : Batygina, T.B.

Inst : Not Given

Title : Some Anatomical Characteristics of Tomato Hybrids.

Orig Pub : Tr. po prikl. botan, genet. i selektsii, 1957, 31, No 2,
131-133

Abstract : No abstract

Card : 1/1

BATYGINA, T. B.

USSR / General Biology - Genetics.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38058.

Author : Batygina, T. B.

Inst : Not given.

Title : Tomato Interspecies Hybrids.

Orig Pub: Tr. po prikl. botan. genet. i selektsii, 1957,
31, No 2, 210-222.

Abstract: Interspecies hybrids F_1 and F_2 resulting from crossing *Lycopersicon esculentum* Mill. with *L. peruvianum* and *L. hirsutum* were studied by their morphological features, chemical composition of fruits, and plant resistance to macrosporiosis and phytofluorine. Hybrids of *L. esculentum* x *L. peruvianum* were subdivided according to their morphological features into 3 groups:
I - plants of type *L. esculentum* which differed

Card 1/3

USSR / General Biology - Genetics.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 36058.

Abstract: from the maternal species only in physiological and anatomical features; II - type *L. esculentum-L. peruvianum*, in which features of cultivated tomatoes predominated, but which also had a number of features of a cherry-like tomato: III - type *L. peruvianum*, which differed from the wild species only by earlier flowering. Among hybrids of *L. esculentum* x *L. hirsutum* 4 types were evolved: I - type *L. esculentum*; II - type *L. esculentum-L. hirsutum* with features of *L. esculentum* predominating; III - type *L. Hirsutum-L. esculentum* with features of *L. hirsutum* predominating; and IV - type *L. hirsutum*, which on lengthy daylight in Leningrad district environments formed no flowers. An intense cleavage in progeny from crossing of *L. esculentum*

Card 2/3

23

USSR / General Biology - Genetics.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38058.

Abstract: with wild species is explained by the author
by the biological incompatibility of gametes
of crossing components.

Card 3/3

GERASIMOVA-NAVASHINA, Ye.N.; BATYGINA, T.B.

The process of fertilization in *Scilla sibirica* Andr. [with
summary in English]. Bot. zhur. 43 no.7:959-988 J1 '58. (MIRA 11:9)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR,
Leningrad.

(Fertilization of plants) (Squills)

17(1)

AUTHORS:

Gerasimova-Navashina, Ye. N.,
Batygina, T. B.

SOV/20-124-1-64/69

TITLE:

On the Process of Fusion of Cell Nuclei in the Course of Fertilization in Grasses (O khode sliyaniya polovykh yader pri oplodotvorenii u zlakov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 223 - 226 (USSR)

ABSTRACT:

The authors give a detailed survey of publications concerning the topic mentioned in the title. Herefrom can be learned that the sperm nuclei cannot complete their development owing to a very small quantity of cytoplasm and that they remain in the state of telophase. Their chromosomes are spiral-like wound. (Ref 7). The female sexual cells undergo a complete mitotic cycle: their nuclei attain the state of a complete mitotic rest (Refs 7, 9-17). This contrast of the cyclic state of the sexual elements sets a limit to their independent development: in order to continue development the sperm has to go through the state of rest whereas the female cell has to conclude this state. This is only possible

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On the Process of Fusion of Cell Nuclei in the Course of SOV/20-124-1-64/69
Fertilization in Grasses

in the act of fertilization. The sperm concludes its cycle under the influence of the female cell, whereas the latter is roused by the active male fertilizing element and caused to continue its development. In other words: fertilization leads the sexual elements out of the impasse they had reached because of their peculiar shape, and where, owing to separation they had not become viable. 3 types of fusion of the cell nuclei were found in angiospermae (Refs 9, 19-23): a) the premitotic, b) the postmitotic and c) a transitional type (Ref 25). Many research-workers were not able to distinguish between those types and therefore much confusion was brought into their reports about fertilization (Refs 2, 9, 26-33). For the purpose of a better clarification of the process of fertilization the authors investigated it once more with *Triticum dicoccum* (Schrank) Schübl (Fig 1:a,b), *Tr. monococcum* L. (Fig 1: v,d) and *Tr. vulgare* Host. (Fig 1: g). Korobova did the same with maize. As expected in both plant species the premitotic type of fertilization was found: the sexual nuclei fuse before the beginning of mitosis of the zygote. Other mistakes and insufficient

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On the Process of Fusion of Cell Nuclei in the Course of Fertilization in Grasses SOV/20-124-1-64/69

observations of different research-workers were detected and corrected. A diagram of the postmytotic type (in *Fritillaria pudica*) is given (Figs 1 ye - 1). There are 1 figure and 33 references, 23 of which are Soviet.

ASSOCIATION: Botanicheskiy institut im. V. L. Komarova Akademii nauk SSSR (Botanical Institute imeni V. L. Komarov, Academy of Sciences, USSR)

PRESENTED: August 16, 1958, by V. N. Sukachev, Academician

SUBMITTED: August 13, 1958

Card 3/3

BATYGINA, T.B.; DOLGOVA, O.A.; KOROBOVA, S.N.

Behavior of pollen tubes in intra- and interspecific hybridization.
Dokl. AN SSSR 136 no.6:1482-1845 F '61. (MIRA 14:3)

1. Botanicheskiy institut im. V. L. Komarova AN SSSR. Predstavleno
akademikom V. N. Sukachevym.
(Hybridization, Vegetable)

BATYGINA, T.B.

Changes observable in male gametes of wheat during fertilization.
Dokl. AN SSSR 137 no. 1:220-223 Mr-Apr '61. (MIRA 14:2)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR.
Predstavleno akademikom V.N. Sukachevym.
(Wheat) (Fertilization of plants)

BATYGINA, T.B.

Process of fertilization in wheat. Trudy Bot.inst.Ser. 7
no.5:260-293 '62. (MIRA 15:2)
(Wheat) (Fertilization of plants)

BATYGINA, T.B.

Microsporogenesis and development of the pollen grain in
wheat. Dokl. AN SSSR 142 no.5:1205-1208 F '62.

(MIRA 15:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Predstavleno
akademikom V.N.Sukachevym.

(Pollen)
(Wheat)

BATYGINA, T.B.; TEREKHIN, E.S.; ALIMOVA, G.K.; YAKOVLEV, M.S.

Genesis of male sporangia in Gramineae and Ericaceae. Bot. zhur.
48 no.8:1108-1120 Ag '63. (MIRA 16:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.
(Sporangium) (Gramineae) (Heather)

BATYGINA, V. I.

"Diffuse Radiation of the Atmosphere for Slutsk During a Cloudless Sky,"
Geofizika i meteorologiya, Vol. V, No 2, 1928.

BATYGINA-GUMENSKAYA, T. B.

FEDOROV, V.S.; BATYGINA-GUMENSKAYA, T.B.

Occurrence of "metaxenia" in interspecific crossbreeding of melons.
Uch.sop.Len.un. no.165:26-33 '53. (MLRA 7:7)

1. Laboratoriya genetiki rasteniy kafedry genetiki i selektsii
(zaveduyushchiy kafedroy professor N.V.Turbin)
(Melons) (Hybridization, Vegetable)

L 42825-66 EWT(1)/EWT(m)/I/EWP(t)/EII LJP(c) ID/JW/JG/CG
ACC NR: A*6029832

SOURCE CODE: UR/0363/66/002/008/1533/1533

AUTHOR: Batygov, S. Kh.; Mikaelyan, R. G.; Fursikov, M. M.

ORG: Physics Institute im. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: The effect of cerium addition on the optical properties of gamma irradiated $\text{CaF}_2:\text{Dy}^{3+}$ crystals

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 8, 1966, 1533

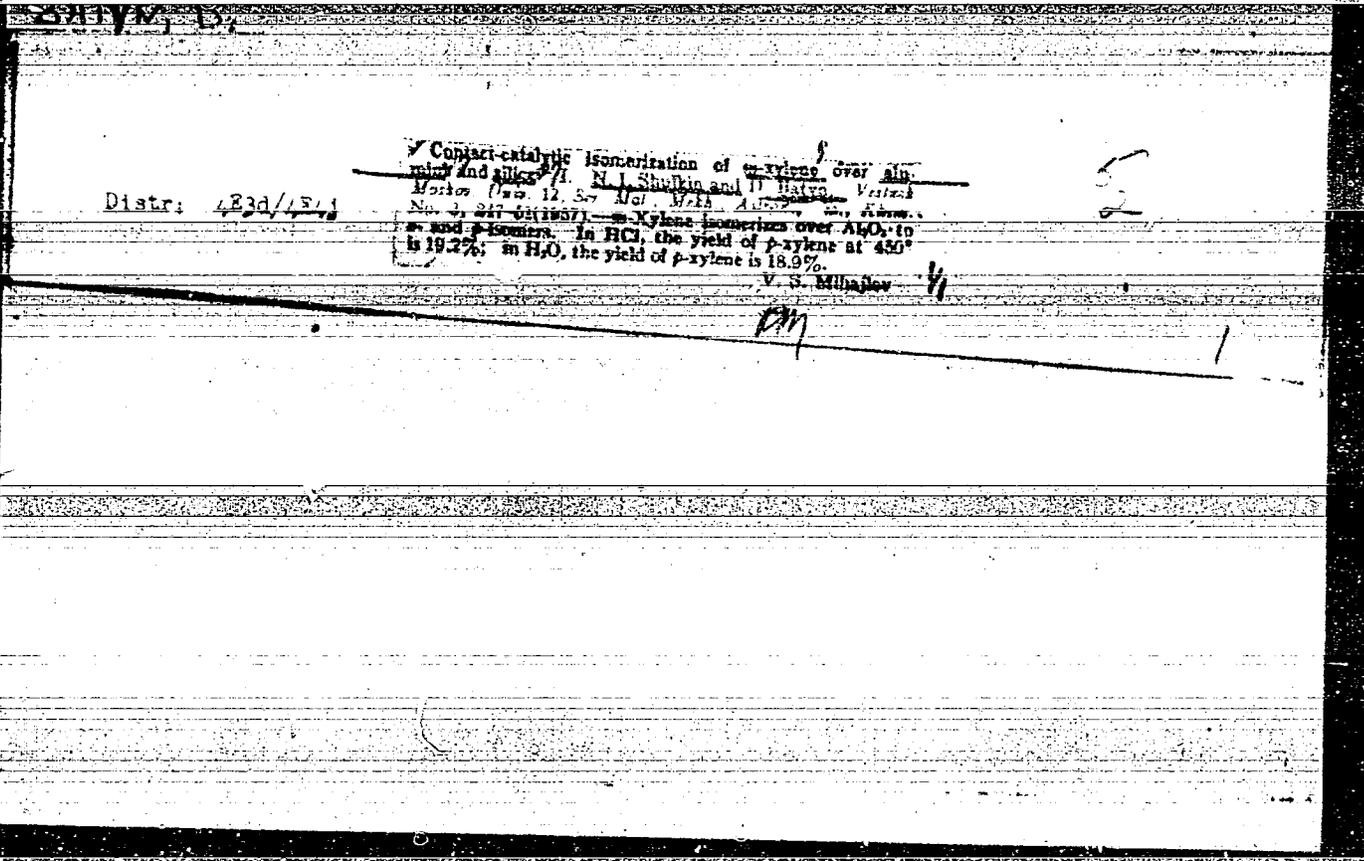
TOPIC TAGS: activated crystal, calcium fluoride, dysprosium, cerium, ion, luminescent crystal, ~~optical~~ optical property, gamma irradiation, laser optic material

ABSTRACT: Incorporation of small quantities (0.04 wt.%) of CeF_3 into $\text{CaF}_2:\text{Dy}^{3+}$ crystals contributed to an increase in thermal and photostability of unstable Dy^{2+} which is formed by gamma-irradiation of the crystals. These observations were made in a comparative study of thermal bleaching and luminescence of gamma-irradiated (10^7 rad dose) $\text{CaF}_2:\text{Dy}^{3+}$ crystals, with and without CeF_3 addition. After two hours bleaching at 100C, the CeF_3 -containing gamma-irradiated crystals exhibited a constant coefficient of maximum absorption (at 715 m μ) which was higher than that of the similarly treated crystals without CeF_3 . Also, intensity of absorption and luminescence due to Dy^{2+} increased and remained constant after a prolonged irradiation of the CeF_3 -containing crystals. These increases in thermal and photostability and in the

Card 1/2

UDC: 548.539.104+539.12.04

Card 2/2 *lsh*



BATYN, R.

Mongolian leather industry. Tr. from the Mongolian. p. 132.

(Kozarstvi. Vol. 7, no. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

ABLOV, A.V.; BATYR, D.G.

Complex copper salts of α -oxy acids. Part 2. Trimesotartratotetra-
cuprates. Zhur.neorg.khim. 1 no.2:251-256 F '56. (MLRA 9:10)

1. Kishinevskiy gosudarstvennyy universitet.
(Copper tartrates) (Compounds, Complex)

BATYR, D. G.

Category: USSR

C

Abs Jour: RZh--Kh, No 3, 1957, 7779

Author : Ablov, A. V. and Batyr, D. G.

Inst : Not given

Title : Complex Copper Salts of α -Hydroxy Acids. III. Salts of Meso-tartaric Acid

Orig Pub: Zh. Neorgan. Khimii, 1956, Vol 1, No 4, 692-695

Abstract: It has been shown in Part II (RZhKhim, 1956, 71390) that the neutral dark blue liquid (I) obtained when Cu mesotartrate is dissolved in bases contains the complex anion $[\text{Cu}_4\text{C}_{12}\text{H}_{18}\text{O}_{18}]^{3-}$. In the present paper are described the crystalline products (heptamesotartratodeca-cuprates) obtained when I is combined with solutions of monoacetopentaminocobalt: $[\text{Co}(\text{NH}_3)_5\text{NO}_2]_3[\text{Cu}_{10}\text{C}_{28}\text{H}_{16}\text{O}_{42}] \cdot 28\text{H}_2\text{O}$, $[\text{Co}(\text{NH}_3)_5\text{HCOO}]_3[\text{Cu}_{10}\text{C}_{28}\text{H}_{16}\text{O}_{42}] \cdot 23\text{H}_2\text{O}$, $[\text{Co}(\text{NH}_3)_5\text{Cl}]_3[\text{Cu}_{10}\text{C}_{28}\text{H}_{16}\text{O}_{42}] \cdot 24\text{H}_2\text{O}$, $[\text{CoEn}_2\text{NH}_3\text{Cl}]_3[\text{Cu}_{10}\text{C}_{28}\text{H}_{16}\text{O}_{42}] \cdot 21\text{H}_2\text{O}$, $3[\text{CoEn}_2(\text{P-anisidine})\text{Cl}]_3$

Card : 1/2

-12-

BATYR, D. G., Cand Chem Sci -- (diss) "Complex copper ~~in~~ salts of
alpha-hydroxy acids." Kishinev, 1957. 16 pp with graphs. (Min
Higher ~~Ed~~ Ed USSR, Kishinev State Univ), 100 copies. (KL,
9-58, 113)

BATYR D.G.

AUTHORS: Ablov, A. V., Batyr, D. G.

75-6-18/23

TITLE: Quantitative Determination of Reducing Saccharines by Means of Copper Compounds of Trioxyglutaric Acid (Kolichestvennoye opredeleniye vosstanavlivayushchikh sakharistykh veshchestv pri pomoshchi mednogo soyedineniya trioksiglutarovoy kisloty).

PERIODICAL: Zhurnal Analiticheskoy Khimii, 1957, Vol. 12, Nr 6, pp. 749-753 (USSR)

ABSTRACT: A new method for the determination of reducing saccharins by means of a copper compound of the trioxyglutaric acid was proposed. It is shown that the alkaline copper solutions of trioxyglutaric acid are more stable on heating than Fehling's solution. Glucose, fructose and maltose are determined with great accuracy (relative errors 0,34 to 1,14%) by this method. It was shown that this method is more advantageous than Fehling's solution since a strict proportionality governs the relation between copper oxide and saccharins. There are 4 tables and 11 references, 4 of which are Slavic.

ASSOCIATION: State University, Kishinev (Kishinevskiy gosudarstvennyy universitet).
Card 1/2

Quantitative Determination of Reducing Saccharines by
Means of Copper Compounds of Trioxyglutaric Acid.

75-6-18/23

SUBMITTED: June 18, 1956

AVAILABLE: Library of Congress

1. Saccharins-Reduction Applications
2. Trioxyglutaric acid copper compounds-

Card 2/2

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77760

SOV/75-15-1-22/29

AUTHORS: Ablov, A. V., Batyr, D. G.

TITLE: Determination of Microquantities of Sugars Using
Trihydroxyglutaric Acid - Copper Complex

PERIODICAL: Zhurnal analiticheskoy khimii, 1960, Vol 15, Nr 1,
pp 112-114 (USSR)

ABSTRACT: It was found that the volumetric determination of
sugar, using complex Cu-trihydroxyglutaric acid, a
method proposed previously by the authors of this
article (Zh. anal. chem., 12, 749, 1957), can be used
for determination of microquantities of glucose,
fructose, galactose, xylose, maltose, and saccharose.
The following solutions were used: solution Nr 1,
40 g of $\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$ /liter; solution Nr 2, 128 g of
trihydroxyglutaric acid and 207 g NaOH per liter.
Procedure: place into a series of test tubes n ml of
sugar solution (0.1 - 9 mg of sugar), 3-n ml of water,

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*AS USSR, Moldavskiy Branch, Kishinev, and T. G. Shevchenko
Tiraspol State Pedagogical Inst.*

Determination of Microquantities of Sugars 77760
Using Trihydroxyglutaric Acid - Copper Complex SOV/75-15-1-22/29

3 ml of solution Nr 1, and 3 ml of solution Nr 2; heat in boiling water for 6 min and cool; filter and wash the precipitate 2-3 times with hot freshly boiled water; dissolve the precipitate in 3-5 ml of a solution containing 86 g of $\text{FeNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ and 108 ml of concentrated sulfuric acid per liter; filter and titrate the filtrate with a standard KMnO_4 solution. There is a definite relationship between the volume of standard KMnO_4 solution used and the sugar concentration. The results are shown in Table A. R. A. Batyr participated in the experimental work. There is 1 table; and 3 Soviet references.

ASSOCIATION: Moldavian Branch of Academy of Sciences USSR (Kishenev) and T. G. Shevchenko Tiraspol' State Pedagogical Institute (Moldavskiy filial AN SSSR (Kishenev) i Tiraspol'skiy gosudarstvennyy pedagogicheskiy institut imeni T. G. Shevchenko)

SUBMITTED: July 14, 1958
Card 2/4

Determination of Microquantities of Sugars
Using Trihydroxyglutaric Acid - Copper Complex

77760
SOV/75-15-1-22/29

Key to Table A: (1) sugar; (2) experiment Nr; (3) taken mg; (4) found x_1 , mg; (5) found mg (average); (6) dispersion; (7) accuracy; (8) probable relative error; (9) glucose; (10) fructose; (11) galactose; (12) xylose; (13) maltose; (14) saccharose.

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TABLE A

1	2	3 (a)	4	5 (x)	6 (s ²)	7 ($t_{0.95} \cdot S_x$)	8 ($S_x \cdot t_{0.95} \cdot 100\%$)
{ 9	1-9	1,00	0,998-1,004	1,002	11·10 ⁻⁴	0,0025	0,25
	10-18	3,00	2,990-3,012	3,002	57·10 ⁻⁴	0,0056	0,19
	19-27	6,00	5,991-6,008	5,999	54·10 ⁻⁴	0,0053	0,09
	28-38	9,00	8,976-9,012	8,995	188·10 ⁻⁴	0,0105	0,12
{ 10	1-9	3,00	2,993-3,009	3,003	77·10 ⁻⁴	0,0067	0,22
	10-18	6,00	5,995-6,019	6,005	57·10 ⁻⁴	0,0058	0,10
	19-27	9,00	8,980-9,997	8,992	54·10 ⁻⁴	0,0056	0,08
{ 11	1-9	3,00	2,991-3,006	3,001	50·10 ⁻⁴	0,0057	0,19
	10-18	6,00	5,988-6,012	6,008	55·10 ⁻⁴	0,0057	0,09
	19-27	9,00	8,989-9,003	8,995	55·10 ⁻⁴	0,0057	0,08
{ 12	1-9	3,00	2,992-3,005	3,001	42·10 ⁻⁴	0,0050	0,17
	10-18	6,00	5,998-6,012	6,003	49·10 ⁻⁴	0,0054	0,09
	19-27	9,00	8,989-9,003	8,997	55·10 ⁻⁴	0,0057	0,08
{ 13	1-9	3,00	2,982-3,002	2,998	78·10 ⁻⁴	0,0068	0,23
	10-18	6,00	5,984-6,026	6,003	270·10 ⁻⁴	0,0126	0,21
	19-27	9,00	8,988-9,007	8,993	110·10 ⁻⁴	0,0080	0,09
{ 14	1-9	3,00	2,995-3,008	3,002	47·10 ⁻⁴	0,0053	0,18
	10-18	6,00	5,992-6,005	6,001	42·10 ⁻⁴	0,0050	0,08
	19-27	9,00	8,989-9,001	8,993	36·10 ⁻⁴	0,0046	0,05

Card 4/4

ABLOV, A.V.; BATYR, D.G.

Determination of reducing agents in hydrolysates. Gidroliz i leso-
khim.prom. 13 no.2:7-10 '60. (MIRA 13:6)

1. Moldavskiy filial Akademii nauk SSSR (for Ablov). 2. Tiraspol'-
skiy gosudarstvennyy pedagogicheskiy institut (for Batyr).
(Wood--Chemistry) (Hydrolysis)

BATYR, D.G., kand.khimicheskikh nauk

Conference on the chemistry of complex compounds of cobalt and
nickel. Zhur.VKHO 6 no.3:344 '61. (MIRA 14:6)
(Complex compounds—Congresses) (Cobalt compounds)
(Nickel compounds)

S/078/62/007/002/019/019
B117/B101

AUTHORS: Ablov, A. V., Batyr, D. G.

TITLE: Conference of the Moldavian Republic on general and applied chemistry

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 2, 1962, 445 - 446

TEXT: This is a brief report on the Pervoye Moldavskoye respublikanskoye soveshchaniye po obshchey i prikladnoy khimii (First Conference of the Moldavian Republic on General and Applied Chemistry) held in Kishenev, September 13, - 16, 1961. This conference held by the Institut khimii Akademii nauk Moldavskoy SSR (Institute of Chemistry of the Academy of Sciences Moldavskaya SSR) and the Kishinevskiy gosudarstvennyy universitet (Kishenev State University) was attended by 170 chemists of the Moldavian Republic, and 30 scientists of scientific research institutions and schools of higher education of Moscow, Leningrad, Kiyev, Sverdlovsk, Dnepropetrovsk, and other cities of the USSR. Two plenary and 13 sectional sessions were held. 85 reports were given including 21 on inorganic chemistry. A. V. ✓

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Conference of the Moldavian Republic ...

S/078/62/007/002/019/019
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Ablov, N. M. Samus', and O. A. Bologa reported on "Dioximines of trivalent cobalt of cis-configuration". N. I. Lobanov reported on "Bromates, iodates, and periodates of chromium (III)ammines", G. P. Syrtsova talked about "Complex compounds of trivalent cobalt with α -benzyl dioxime". Ts. B. Konunova and N. M. Samus' reported on the chromatographic study of mutual transitions of geometrically isomeric dioximines of trivalent cobalt. The chromatographic technique suggested by them roused great interest among the participants. D. M. Palade gave results on the examination of salts of oxalate and hydroxoaquodiphenanthroline cobalt(III). G. A. Popovich reported on a study of trioxoglutarates of monovalent and bivalent metals. A. V. Ablov and N. I. Belichuk reported on the interaction of diacetyl oxime hydrazone and some of its azines with nickel and copper salts. A. V. Ablov and G. G. Stratan talked about products of iodine addition to dioximines of trivalent cobalt. P. K. Migal' and N. Kh. Grinberg gave results on the complex formation of cadmium, lead and zinc ions with formamide in aqueous alcohol solutions. Ye. G. Chikryzova reported on polarographic studies of the behavior of bivalent cobalt and copper in solutions with different amounts of trihydroxy glutaric acid at

Card 2/4

Conference of the Moldavian Republic ...

S/078/62/007/002/019/019
B117/B101

different pH. A. V. Ablov and B. A. Bovykin reported on the "Determination of the stability constant of cobalt dioximine with thiourea". L. V. Nazarova gave a report on "Stability of complex cadmium compounds with pyridine and its derivatives". P. K. Migal' and G. F. Serova talked about the polarographic examination of composition and stability of cadmium, lead, and zinc complexes with monoethanol amine in aqueous alcohol solutions. P. K. Migal', A. Ya. Sychev, and A. P. Gerbelev reported on the thermodynamics of stepwise complex formation of nickel ions with ethanol amines. V. N. Shafranskiy gave a report on complex compounds of trivalent cobalt with dimethyl glyoxime. N. V. Gerbelev talked about crystalline products obtained from some thiosemicarbazones reacting with salts of bivalent cobalt, nickel, and zinc. N. M. Samus' reported on "Complex compounds of trivalent cobalt with thiosemicarbazide". I. M. Reybel' gave results on polarographic, potentiometric, conductometric, and optical studies of the activation kinetics of octamine- μ -(peroxo, amino)-dicobalt nitrate. A. V. Ablov and D. M. Palade reported on "Hydration kinetics of trans-halo-nitro-bis-dimethyl glyoximate cobaltiate ions". A. V. Ablov and V. G. Semina talked about "Composite tetrammines of bivalent platinum and their interaction with hydrochloric acid". Z. P. Card 3/4

Conference of the Moldavian Republic ...

S/078/62/007/002/019/019
B117/B101

Burnasheva and Ts. B. Konunova reported on the thermochemical study of
anilines of zinc halides. The reports were vividly discussed.
[Abstracter's note: Essentially complete translation.]

✓

Card 4/4

ABLOV, A. V., akademik; BATYR, D. G., kand. khimicheskikh nauk

Ways for the development of chemical science in Moldavia. Zhur.
VKHO 7 no.5:574-575 '62. (MIRA 15:10)

1. Akademiya nauk Moldavskoy SSR (for Ablov).

(Moldavia—Chemistry)

BATYR, D.G.

Comparative study of the complex formation of the Cu^{2+} ion with tartaric acid and some related substances. Izv. AN Mold. SSR no.10: 3-10 '62. (MIRA 17:12)

BATYR, Dmitriy Grigor'yevich, kand. khim. nauk; ABLOV, A.V., akad.,
red.; YARINKOVSKIY, B.I., red.; SHEKHTER, D.A., tekhn.red.

[Russian-Moldavian chemical dictionary] Russko-moldavskii
khimicheskii slovar'. Kishinev, Gos.izd-vo "Kartia moldo-
veniaske," 1963. 353 p. (MIRA 16:12)

(Chemistry--Dictionaries)

(Russian language--Dictionaries--Moldavian)

ABLOV, A.V.; BATYR, D.G.

Conference on the application of physical methods to the investigation
of complex compounds. Zhur.neorg.khim. 8 no.5:1290-1294 My '63.
(MIRA 16:5)

(Complex compounds—Congresses)

111 75, 7
BUSYGIN, Yevgeniy Prokof'yevich, dotsent; BATIR, V., redaktor; GAVRILOV, A.
tekhnicheskij redaktor

[Soviet hydroelectric power stations in the sixth five-year plan]
Gidroelektrostantsii SSSR v shestoi piatiletke. Kazan', M-vo
kul'tury Tatarskoi SSR, 1956. 20 p. [Microfilm] (MLRA 10:7)
(Hydroelectric power stations)

BATYR, V.V.

Role of recent water-bearing horizons in the formation of landslides
on the bank of the middle Volga (Tatarstan, Chuvashia). Uch.zap.
Kaz.un. 121 no.6:40-44 '61. (MIRA 14,10)
(Tatar A.S.S.R.--Landslides) (Chuvashia--Landslides)

KYDYNOV, M., nauchnyy sotrudnik; BAYRCHAYEV, L., OPINA-SHENDRIK, M.D.;
KALBAYEV, A.; IMANAKUNOV, B.; SULAYMANKULO, K., kand.khim.nauk;
DUYSHENALIYEVA, N.; AKBAYEV, A.; KAZIYEV, K.; GOLOVIN, F.I.;
BAKASOVA, Z.; KOVALENOK, Z.P.; SHELUKHINA, M.P.; BUGUBAYEV, A.B.,
starshiy prepodavatel'; BAYBULANOV, E.B., mladshiy nauchnyy
sotrudnik; FILIPPOV, N.A., mladshiy nauchnyy sotrudnik; MAMBETA-
KUNOV, T., aspirant; IMANKULOV, A., aspirant; TURMAMBETOV, S.,
mladshiy nauchnyy sotrudnik; MUKHAMEDZIYEV, M.M., nauchnyy sotrudnik;
KOMURBAYEV, A.O.; PAK, L.V.; HUDAKOV, O.L.; TOKTOSUNOV, A.;
KULAKOVA, R.I.; ASHIRAKHMANOV, Sh., aspirant; ALYSBAYEV, B.;
SULTANALIYEV, A.; AKHMETOV, K.; POLONOVA, A.P.; NIKITINSKIY, Yu.I.;
SHAMBETOV, S.Sh.; DZHUMBAYEV, B.O., nauchnyy sotrudnik; DEUZHININ,
I.G., red.; ANOKHINA, M.G., tekhn.red.

[Papers by junior scientists of the Academy of Sciences of the
Kirghiz S.S.R.] Trudy molodykh nauchnykh rabotnikov AN Kirgizskoi
SSR. Frunze, 1958. 411 p. (MIRA 12:9)

(Continued on next card)

KYDYNOV, M.---(continued) Card 2.

1. Akademiya nauk Kirgizskoy SSR, Frunze.
 2. Institut khimii AN Kirg.SSR (for Kydynov).
 3. Kirgizskiy gosudarstvennyy universitet (for Bugubayev).
 4. Institut geologii AN Kirg.SSR (for Baybulatov).
 5. Institut vednogo khozyaystva i energetiki AN Kirg.SSR (for Filippov).
 6. Otdel fiziki i matematiki AN Kirg.SSR (for Mambetakunov, Imankulev).
 7. Institut zoologii i parazitologii AN Kirg.SSR (for Turmambetov).
 8. Kirgizskiy meditsinskiy institut (for Mukhamedziyev).
 9. Otdel pechvovedeniya AN Kirg.SSR (Ashirakhmanov).
 10. Institut botaniki AN Kirg.SSR (for Alyshbayev, Sultanaliyev, Akhmetov, Polenova, Nikitinskiy).
 11. Institut istorii AN Kirg.SSR (for Dzhambayev).
- (Science--Collections)

BATYRBAYEV, G. A., Cand. Tech. Sci. (diss) "Investigation of
Process of Hardening of Portland Cements with Some Mineral Addi-
tives of Kazakhstan," Moscow, 1961, 19 pp. (Moscow Chem-Eng.
Inst.) 180 copies (KL Supp 12-61, 263).

BATYRBEKOV, G.A.; BONDARENKO, I.I. [deceased]; KOLEGANOV, Yu.F.; NIKOLAYEV,
M.N.; UZNADZE, O.P.

Some characteristics of a fast reactor with thorium shielding.
Atom. energ. 17 no.4:294-299 0 '64. (MIRA 17:10)

ZAYTSEV, G.P., prof; BATYRBKOV, M.L.

Results of the clinical use of the anticoagulant omepine in thrombophlebitis. Vest. khir. 93 no.9:31-33 S '64. (MIRA 18:4)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.P.Zaytsev) peditricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta imeni Pirogova.

PEREL'MUTER, Ye.; BATYRBKOV, Sh. (Yangi-Yul', Uzbekskaya SSR)

We are improving the methods of conducting the classes. Prof.-tekh.
obr. 21 no.2:19-20 F '64. (MIRA 17:9)

1. Zamestitel' direktora professional'no-tehnicheskogo uchilishcha
g. Yangi-Yul', Uzbekskaya SSR (for Perel'muter).

TSEFT, A.L.; ABLANOV, A.D.; TKACHENKO, O.B.; BATYRREKOVA, S.A.; TULENKOV,
L.N.; KARTASHEVA, L.A.

Treatment of complex metal sulfide ores by solutions of iron
chloride; results of enlarged laboratory tests. Trudy Inst.
met. i obog. AN Kazakh. SSR 14:41-47 '65. (MIRA 18:10)

TSEFT, A.L.; BATYRBEKOVA, S.A.; ABLANOV, A.D.

Electrolytic preparation of iron from high-iron chloride
solutions. Trudy Inst. met. i obog. AN Kazakh. Ser 14:
48-52 '65. (MIRA 18:10)

BATYBEKOVA, S.A.; AB'ANOV, A.I.

Copper removal from iron bearing chloride solutions. Trudy Inst.
met. i obog. Ak. Nauk SSSR 8:102-106 '63 (MIRA 17:8)

BATYRCHAYEV, I.

Solubility of barium thiosulfate in alkaline solutions. Izv.
AN Kir. SSR. Ser. est. 1 tekhn. nauk 2 no.11:27-31 '60. (MIRA 14:10)
(Barium thiosulfate)
(Solubility)

BATYRCHAYEV, I.Ye., Cand Chem Sci, --(diss) "Physico-chemical characteristics of natural salts ~~and brines of the Ketmen-Tyube deposit~~ *and brines* of their industrial ~~processing~~ *utilization*." Alma-Ata, 1959. 14 pp (Min of Higher Education USSR. Kazakh State U in S.M. Kirov), 150 copies (ML, 30-59, 118)

BATYRCHAYEV, I.Ye.; MUSTAYEV, A.K.; LOPINA, M.D.

Genesis of glauberite. Zap. Kir. otd. Vses. min. ob-va no.3:
109-129 '62. (MIRA 17:11)

BATYRCHAYEV, I.Ye.

Glauberites-bearing salt deposits in the central Tien Shan.
Report No.2. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 5
no.4:85-86 '63. (MIRA 16:10)

DRUZHININ, I.G.; BATYRCHAYEV, I. Ya.

Salt deposits of Ketmen-Tyube and prospects for their utilization.
Zhur.prikl.khim. 34 no.11:2370-2378 N '61. (MIRA 15:1)
(Ketmen'-Tyube—Salts)

DRUZHININ, I.G., otv. red.; ~~BATYRCHAYEV, I.Ye., red.~~; BLESHTINSKIY,
S.V., red.; KONOPELKO, K.G., red.; KYDYNOV, M., red.;
SULAYMANKULOV, K., red.; FOMENKO, V.L., red.izd-va;
POPOVA, M.G., tekhn. red.

[Materials from the Conference Devoted to the Centennial of
the Birth of Academician N.S.Kurnakov] Sbornik materialov
Konferentsii, posvyashchennoi 100-letiiu so dnia rozhdeniia
akademika N.S.Kurnakova. Frunze, Izd-vo AN Kirgiz.SSR, 1963.
175 p. (MIRA 16:7)

1. Konferentsiya, posvyashchennaya 100-letiyu so dnia rozhde-
niya akademika N.S.Kurnakova.

(Kurnakov, Nikolay Semenovich, 1860-1941)

(Chemistry, Physical and theoretical)

BATYRENKO, R. I.

AID P - 2485

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 14/19

Author : Batyrenko, R. I.

Title : Hygienic conditions of labor in the manufacture of gypsum and gypsum structural parts

Periodical : Gig. i san., 7, 50-52, J1 1955

Abstract : Describes the investigations performed by the Ukrainian Central Institute of Industrial Hygiene and Occupational Diseases in two plants producing gypsum and gypsum parts. Recommends preventive measures against dust and noise. Diags. 2 refs. (1951-1930)

Institution: See "Abstract"

Submitted : May 10, 1954

KHAZAN, G.L.; TARNOPOI'SKAYA, M.M.; BITYRENKO, R.I.; GOCHAROVA, N.N.;
YEREMENKO, S.V.; KANGELARI, S.S.; KUTEPOV, V.N. (Khar'kov)

Influence of the microclimate of the plant and of industrial
labor on the incidence of respiratory diseases among machinery
industry workers. Vrach.delo no.2:199 # '60. (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda
i professional'nykh zabolevaniy.

(MACHINERY INDUSTRY--HYGIENIC ASPECTS)

(RESPIRATORY ORGANS--DISEASES)

BARON, A.

"Shape of trajectories in the problems of two and three bodies with masses varying according to Meshcherskiy's law," *Astron. Zh.*, 18, nos 4-5, 1941.

521.12

A52

SA

6691. On the forms of the trajectories in the problem of two bodies with variable masses. MATYREV, A. A. *Astron. J. USSR*, 26 (No. 1) 56 (1969) in Russian. English summary in *Astron. News Letter (Harvard)* (No. 45).—The masses are assumed to vary as $M = M_0(1 + at)$, where $a > 0$. A simple change of the variables: $\xi = x/(1 + at)$; $\eta = y/(1 + at)$; $\tau = t/a(1 + at)$ results in a set of differential equations having the classical form of the 2-body problem. The author investigates separately the cases corresponding to elliptical, parabolic, and hyperbolic motion in ξ, η , and draws representative curves for each case in the x, y co-ordinates.

450-51A METALLURGICAL LITERATURE CLASSIFICATION

0-274 674031474

503690 111 017 601

010000 00

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

BATYREV, A. A.

Stars, Variable

EB Libras. Per. zvezdy 8, No. 4, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BATYREV, A. A.

Stars, Variable

TW Herculis. Per. zvezdy 8, No. 4, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BATYREV, A. A.

Stars, Variable

ST.Leonis. Per. zvezdy 8, No. 5, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BATYREV, A.A.

Four short-period Cepheids. Per. svesdy 9 no.1:48-56 S'52.
(MIRA 8:10)

1. Astronomicheskaya observatoriya Rostovskogo gosudarstvennogo universiteta.

(Stars, Variable)

BATYREV, A. A.

Astrophysics, Observations of Stars (2191)

Peremennyye Zvezdy, Vol 9, No 4, 1952, pp 298-300

BATYREV, A. A.

"V 341 Aquilae"

A 150-mm refractor was used to determine the brightness of this variable. A chart of the vicinity of V 341 Aquilae and stars for comparison, and an average brightness curve, are among the data included.

SO: Referativnyy Zhurnal--Astronomiya i Geodeziya, No 2, Feb 54;(W-30785, 28 July 1954.)

BATYREV, A. A.

Evaluations of brightness were made from 116 visual observations in 1952 and two maxima were established. A jump-like variation of period between 1917-1935 is possible or a long-period inequality with a 70-year long period. (RZhAstr, No 9, 1954) Peremennyye Zvezdy, No 5, 1953, 336-338. BN Vulpeculae.

"BN Vulpeculae"